



Emerson Process Management Flow B.V.
Attn. Mr. S. Pitti
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|-------------------|-------------------------------|--------------------|
| Date | Your reference | Our reference |
| 22 September 2009 | P.O. 20604128 and 20704030 | CPC -700915 -MH-01 |

Subject
Micro Motion sensor type F100 and F200.

Dear Mr. Pitti,

With this letter, we confirm that the accuracy tests on the Micro Motion Coriolis sensors, type F100 and F200 are completed successfully for mass, density as well volume. Therefore, the conclusion is:

- The F100 fulfils all essential requirements of the European directive 2004/22/EC on measuring instruments (MID) for:
 - Maximum flow rate 272 kg/min
 - Minimum flow rate 27 kg/min for accuracy class 0.3
14 kg/min for accuracy class 0.5 and class 1.0
 - Pressure correction for density is always used if either density or volume is used.
- The F200 fulfils all essential requirements of the European directive 2004/22/EC on measuring instruments (MID) for:
 - Maximum flow rate 725 kg/min
 - Minimum flow rate 72 kg/min for accuracy class 0.3
35 kg/min for accuracy class 0.5 and class 1.0
 - Pressure correction is always used if either density or volume is used.

Remark: During the tests the Flowcalibration Factor of the equipment under tests is not changed.

The Accuracy tests

The accuracy tests on the F100 are performed on three locations and performed with a F100 in combination with the MVD700 Core Processor and the MVD2700 transmitter.

1. The first location is Nmi Certin B.V., Hugo de Grootplein 1, 3314 EG Dordrecht, the Netherlands. Here the F100 is tested on water and gasoline.



2. The second location is Meurs B.V., Aalsvoort 36, 7241 MA Lochem, the Netherlands, the F100 is tested here on LPG.
3. The third location is Schenk Tanktransport, Burg. Keyzerweg 6, 3352 AR Papendrecht, the Netherlands. Here the F100 is tested on LPG.

The accuracy tests on the F200 are performed on two locations and performed with an F100 in combination with the MVD700 Core Processor and an MVD2700 transmitter as well

1. The first location is Nmi Certin B.V., Hugo de Grootplein 1, 3314 EG Dordrecht, the Netherlands. Here the F100 is tested on water and gasoline.
2. The second location is Schenk Tanktransport, Burg. Keyzerweg 6, 3352 AR Papendrecht, the Netherlands. The F200 is tested here on LPG.

Before each test, the correct setting of the meter is verified. Therefore, each test is performed with the same settings.

All the tests were witnessed by NMI Certin B.V.

Please note that the primary measurement is mass, therefore the maximum allowable error for the mass pulses is $\pm 0.2\%$ (Accuracy class 0,3 applications (pipeline)). Volume is a converted indication with a maximum allowable error of $\pm 0.3\%$ (Accuracy class 0,3 applications (pipeline)).

Having obtained positive results on the tests, NMI Certin B.V. will issue:

- An OIML Test Report, according OIML R117-1
- A revision of Evaluation Certificate TC7050, according Directive 2004/22/EC on measuring instruments (MID).

These documents will be issued before October 30th, 2009.

With kind regards,
NMI Certin B.V.

Ing M.T. ter Haar
Certification Dordrecht